JAPON

From the INTERNATIONAL BUREAU

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NOTIFICATION OF TRANSMITTAL. OF COPIES OF TRANSLATION OF THE INTERNATIONAL PRELIMINARY REPORT ON PATENTARILITY (CHAPTER LOR CHAPTER II

OF THE PATENT COOPERATION TREATYO (PCT Rules 446s; 3(c) and 72.2)

YOSHITAKE Kenii Kyowa Palent & Law Office, |Room 323 Full Bidg., 2-3, Marunouchi 3-chome, Chiyoda ku, Tokyo 1000005

Date of mailing (day/treonth/year) 02 March 2006 (02.03.2006)	(F)
Applicant's or agent's file reference 146971-121	IMPORTANT NOTIFICATION
International application No. PCT/JP2004/003649	International filing date (day/monally/year) 18 March 2004 (18.03.2004)
Applicant SEIN	(O EPSON CORPORATION et al

١.	Transmittal of the	translation to the applicant.	

- The International Bureau transmits herewith a copy of the English translation of the international preliminary report on V patentability (Chapter I).
- The International Bureau transmits herewith a copy of the English translation of the international preliminary report on natentability (Chapter II).
- 2. Transmittal of the copy of the translation to the designated or elected Offices.

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- Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application ment be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO
34, chemm des Colombettes
1211 Geneva 20, Switzerland

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (PCT Rule 44bis)

FOR FURTHER ACTION

Applicant's or agent's file reference 146971-121

(Chapter I of the Patent Cooperation Treaty)

See item 4 below

International application No. International filing date (day/nordh/year) Priority d PCT/JP2004/003649 18 March 2004 (18.03.2004) 18 March		Priority date (day/monals/war) 18 March 2003 (18.03.2003)		
Interna	ational Patent Classification (8th	edition unless older edition indicated) CT/ISA/237		
Applic				
1.	This international preliminary International Searching Author	report on patentability (Chapter I) is issued by trity under Rule 44 bis, I (a).	the International Bureau on behalf of the	
2.	This REPORT consists of a total of 5 sheets, including this cover sheet.			
	In the attached sheets, any refe to the international preliminary	erence to the written opinion of the International by report on patentability (Chapter I) instead.	al Searching Authority should be read as a reference	
3.	This report contains indication	ns relating to the following items:		
l	Box No. I	Basis of the report		
1	Box No. II	Priority		
	Box No. III	Non-establishment of opinion with regard applicability	to novelty, inventive step and industrial	
1	Box No. IV	Lack of unity of invention		
	Box No. V	Reasoned statement under Article 35(2) w applicability; citations and explanations st	with regard to novelty, inventive step or industrial supporting such statement	
	Box No. VI	Certain documents cited		
1	Box No. VII	Certain defects in the international applica	ation	
	Box No. VIII	Certain observations on the international	application	
4.	The International Bureau will not, except where the applicar date (Rule 44bis .2).	communicate this report to designated Offices at makes an express request under Article 23(2)	in accordance with Rules 44bs;3(c) and 93bis;1 but b, before the expiration of 30 months from the priority	

Authorized officer The International Bureau of WIPO 34, chemin des Colombettes Yoshiko Kuwahara 1211 Geneva 20, Switzerland Telephone No. +41 22 338 90 90 Facsimile No. +41 22 740 14 35 Form PCT/IB/373 (January 2004)

Date of issuance of this report 21 February 2006 (21.02.2006)

PATENT COOPERATION TREATY

from the INTERNATION ALSEARCHING A	TITHORITY		* Tan	
To			PCT PCT PCT	
		WE INTERNATI	EITTEN OPINION OF THE IONAL SEARCHING AUTHORITY	
			(PCT Rule 43bis 1)	
		Date of mailing (do; month year)		
Applicant's or agent's file reference		FOR FURTHER ACTION		
146971-121			See paragraph 2 below	
International application No. PCT/JP2004/00364	9 18.03.2004	(day month year)	Priority date (day month year) 18.03.2003	
International Patent Classification (IP Applicant	C) or point manning constitutions of			
SEIKO EPSON CORP	DRATION			
1 This openion contains indec	strons relating to the following item	á:		
Box No. 1 B	usis of the opinion			
	iority			
Bex No. III N	on-establishment of opinion with re	gard to novelty, invent	ave step and industrial applicability	
=	ack of unity of invention			
Box No. V R	easoned statement under Rule 43hr splicability: estations and explanation	r I(a)(s) with regard to use supporting such sta	novelty, inventive step or industrial icenses	
Box No. VI C	ertain documents exted			
Box No. VII C	ertain defects in the international ap	pheation		
Box No. VIII C	ertain observations on the internals	onal application		
International Preliminary E- tions this, one to be the IPE		pt that this does not ap d the International Bra	If he considered to be a written opinion of the ply where the applicant chooses an Authority other team under Rule 66 (hu/b) that written opinious o	
If this opinion is, as provide	led above, considered to be a writt ere appropriate, with amendments expiration of 22 months from the p	en opinion of the IPE	 the applicant is invited to submit to the IPEA: n of 3 months from the date of mailing of Fora- expires later 	
For further details, see note	s to Form PCT IS-A 220.			
Name and marling address of the IS	A-JP	Authorized officer		

Form PCT ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2004/003649

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contained in the international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search
In addition, in the case that more than one version or copy of a sequence linking and or table(s) relating thereto has been filled or farmished, the reperced statements that the submanision in the sub-respect or additional copies in identical to that in the application as filled or does not be beyond the application as filled, an appropriate, were fermined.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

PCT/JP2004/003649

Statement			
Novelty (N)	Claure	1-21	Y
	Claims		N
Inventive step (IS)	Claims	6-9, 13-15	YI
	Clams	1-5, 10-12, 16-21	N
Industrial applicability (LA)	Claims	1-21	Y
			N

2. Citations and explanations.

- Document 1: JP. 2001-63170, A (Canon Inc.), March 13, 2001 (03.13.01)
- Document 1: JP, 2001-63170, A (Canon Inc.), March 13, 2001 (03.13.01)

 Document 2: JP, 4-26730, U (Seikosha Co., Ltd.), March 3, 1992 (03.03.92)
- Document 3: JP, 2002-127411, A (Ricoh Company, Ltd.), May 8, 2002 (05.08.02)
- Document 4: JP, 2002-12/4/1, A (Ricon Company, Ed.), 1912/0, 2002 (03:00:00)
- Document 5: JP, 2002-200773, A (Canon Inc.), July 16, 2002 (07.16.02)

Claims 1-5, 10-12, 16, 20 and 21

The inventions of claims 1-5, 10-12, 16, 20 and 21 do not appear to involve an inventive step based on documents 1 and 2. Using as configuration of as ink chamber taught in document 1, the configuration of a bubble trap chamber taught in document 1 would be easy for a party skilled in the art. Also, on which surface of the ink chamber taught in document 1 a porous film taught in document 2 is to be provided is a mere matter of design variation that could be carried out as appropriate by a party skilled in the art. Further, sharing film is a mere matter of design variation in the art.

Claims 6-9 and 13-15

MS 6-9 and 13-13
All of documents 1 through 5 indicate the general state of the art.

Claims 17 and 18

The inventions of claims 17 and 18 do not appear to involve an inventive step based on documents 1 through 3. As the porous film taught in document 2, using a polyimide taught in document 3 would be easy for a party skilled in the art.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2004/003649

Samuel amount of	

In case the space in any of the preceding boses is not sufficient.

Continuation of Box V:

Claim 19

The invention of claim 19 does not appear to involve an inventive step based on documents 1 through 4. In the ink chamber taught in document 1, providing a valve mechanism taught in document 4 would be easy for a party skilled in the art.